

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	325	703/2.ccls. and @pd>="20081001"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/29 16:27
L3	140	tire and noise and pitch and @pd>"20081001"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2009/04/29 17:06



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tire noise modulation

1950

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## Scholar All articles - Recent articles Results 1 - 10 of about 15,500 for tire noise modulation. (0.24

### PITCH RATIO

WJ Vorih - US Patent 3,926,238, 1975 - Google Patents

... in a rotation speed of the tire. Thus, if the tire is composed desirable modulation of the noise produced in the vi- of 50 lugs ...

Cited by 13 - Related articles - Web Search - All 2 versions

### Spreading noise generated by load supporting elements

SP Landers - US Patent 4,327,792, 1982 - Google Patents

... the wave length of the predominant modulation frequency of ... further optimize the spreading of the noise generated, the ... is a perspective view of a tire having a ...

Cited by 10 - Related articles - Web Search - All 4 versions

### Tire pitch sequencing for reduced tire tread noise

TA Williams... - US Patent 5,314,551, 1994 - Google Patents

... 2,878,852, discloses a tire tread having male and female mold ... ing of the pitches in an attempt to modulate the objec- tional noise producing frequencies ...

Cited by 5 - Related articles - Web Search - All 7 versions

### Method and apparatus for monitoring tire pressure

WA Barabino - US Patent 4,186,377, 1980 - Google Patents

... a network receiving amplified signals from each trans- tire pressure signal ... the and processed to distinguish it from background noise modulation envelope to ...

Cited by 9 - Related articles - Web Search - All 2 versions

### ... units in a tire pressure monitor system of a vehicle using secondary modulation of wheel rotation

FL Starkey - US Patent App. 10/191,832, 2002 - Google Patents

... the transmit frequency used by the tire monitors ... outside this passband are considered noise and are ... Any suitable modulation and demodulation scheme may be used ...

Cited by 9 - Related articles - Web Search - All 5 versions

### On the investigation of possible systematics in WIMP annual modulation search

R Bernabel, P Belli, R Cerulli, F Montecchia, M... - The European Physical Journal C-Particles and Fields, 2000 - Springer

... The en-tire installation is air-conditioned ... This means that a possible noise modulation can account at maximum for absolute amplitudes of the order of few 10 ...

Cited by 74 - Related articles - Web Search - BL Direct - All 7 versions

### Spreading noise generated by load supporting elements of a tire tread

SP Landers - US Patent 4,474,223, 1984 - Google Patents

... the same amount of quantum energy, the noise produced by 25 ... required number of harmonic sequence One tire may sound ... and its B is the modulation index, harmonice ...

Cited by 5 - Related articles - Web Search - All 2 versions

### Multiple pitch sequence optimization

TA Williams... - US Patent 5,309,965, 1994 - Google Patents

... pitch in the circumferential direction of the tire. ... dis- closes a technique for

**modulating noise** produced by ... Further **modulation** is obtained by sequencing the ...  
Cited by 5 - Related articles - Web Search - All 3 versions

**Direct conversion transceiver design for compact low-cost portablemobile radio terminals**  
A Bateman, DM Haines - IEEE 39th Vehicular Technology Conference, 1989, 1989 - ieeexplore.ieee.org  
... Figure 1 shows the en- tire transmitter in a ... 2 equal random IIB tone tones **noise**  
speech Figure ... LM linearised Class C amplifier with different **modulation** types ...  
Cited by 53 - Related articles - Web Search - All 2 versions

**Energy efficient modulation** and MAC for asymmetric RF microsensor systems- ► uci.edu

[PDF]  
A Wang, SH Cho, C Sodini, A Chandrakasan - Proceedings of the 2001 international symposium on Low power  
..., 2001 - portal.acm.org  
... on system-level optimization of the en- tire network in ... large phase error caused  
by phase **noise** and frequency ... It has been shown that the **modulation** index error ...  
Cited by 105 - Related articles - Web Search - All 11 versions

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tire noise "modulation order"

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**Scholar All articles - Recent articles** Results 1 - 10 of about 12 for **tire noise "modulation order"**. (1)

[Performance of a fast frequency-hopped noncoherent MFSK receiver with non-ideal noise-normalization ...](#)

H Iwasaki, RC Robertson - IEEE Military Communications Conference, 1995. MILCOM'95, ..., 1995 - ieeexplore.ieee.org

... power spectral density of interference over the entire spread bandwidth, then  $y^{-N/2}$  is the power spectral density of partial-band noise interference when ...

Related articles - Web Search

[Adapting higher-order modulation schemes in broadband networks for use in a wireless environment](#)

E Pasternak, BW Commun, CA Santa Clara - 2001 IEEE Emerging Technologies Symposium on Broadband ..., 2001 - ieeexplore.ieee.org

... Wave Communications 3350 Thomas Road, Santa Clara ... the feasibility of a modulation-order transformation will be ... the wireless link with noise immunity comparable ...

Cited by 1 - Related articles - Web Search

[New AFC algorithm for a fully-digital MDPSK DS/CDMA receiver- ► hku.hk \[PDF\]](#)

J Lei, TS Ng - Circuits and Systems, 2001. ISCAS 2001. The 2001 IEEE ..., 2001 - ieeexplore.ieee.org

... The University of Hong Kong Pokfulam Road, Hong Kong ... where M and T denote the modulation order and the ... filter design to suppress the self noise and require ...

Related articles - Web Search - BL Direct - All 2 versions

[\[PDF\] ► Equalization requirement study for broadband MMDS wireless access systems](#)

EK Bartsch, IJ Wassell, MP Sellars - Proc. International Symposium on Communications, 2001 - cl.cam.ac.uk ... LTD, The Westbrook Centre, Milton Road, Cambridge, CB4 1YG ... longer the FF-filter, the higher the noise ... rate and the highest possible modulation order for systems ...

Cited by 5 - Related articles - View as HTML - Web Search - All 7 versions

[Iterative channel estimation and decoding for a turbo-coded OFDM system via the EM algorithm](#)

X Zhuang, FW Vook - IEEE International Conference on Acoustics, Speech, and ..., 2002 - ieeexplore.ieee.org

... Systems Research Laboratory 1301 E. Algonquin Road, Schaumburg, IL ...  $I/(I_a)K$  (5) because the noise vector  $n$  ... Q possibilities for 5k for a modulation order of Q ...

Cited by 19 - Related articles - Web Search - BL Direct - All 2 versions

[A comparison of multi-carrier OFDM and single carrier iterative equalisation for future high ...](#)

AG Lillie, AP Miguel, AR Nix, JP McGeehan - 2002 IEEE 56th Vehicular Technology Conference, 2002. ..., 2002 - ieeexplore.ieee.org

... of Bristol, Merchant Venturers Building, Woodland Road, BS8 1UB ... and NF is the receiver noise figure and: ... is dependent upon both the modulation order and the ...

Cited by 2 - Related articles - Web Search - BL Direct - All 2 versions

[Development and application of M-ary Gaussian minimum phase shiftkeying modulation](#)

BA Cochran, S Inc, AZ Scottsdale - 1995 IEEE International Conference on Communications, 1995. ..., 1995 - ieeexplore.ieee.org

... 7585 E. Redfield Road Scottsdale, AZ 85260 e-mail ... Recall that increasing modulation order is required to exploit ... Br, determines the amount of noise entering the ...

Web Search

On some properties of Walsh-Hadamard transformed OFDM

Y Wu, CK Ho, S Sun - 2002 IEEE 56th Vehicular Technology Conference, 2002. .... 2002 - ieexplore.ieee.org  
... Institute for Communications Research 20 Science Park Road, #02-34 ... a study on the effects of **modulation order** and num ... T . and v 1 is the AWGN **noise** vector with ...

Cited by 7 - Related articles - Web Search - BL Direct

Method and arrangement for ensuring continuous transmission power control despite of discontinuous ...

S Benoit, E Nikula - US Patent App. 09/971,335, 2001 - Google Patents  
... Address: PERMAN & GREEN 425 POST ROAD FAIRFIELD, CT ... According to prior art, comfort noise parameters 201 ... for the fact that when **modulation order** is increased ...  
Web Search - All 2 versions

Adaptive modulation/coding and power allocation system

PJM Sartori, KL Baum, BK Classon - US Patent App. 10/197,382, 2002 - Google Patents  
... 1303 EAST ALGONQUIN ROAD IL01/3RD SCHAUMBURG, IL ... a target signal-to-interference-plus- noise ratio, S ... 4 convolutional coding), with the **modulation-order** and/or ...  
Related articles - Web Search - All 6 versions

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**Energy efficient modulation and MAC for asymmetric RF microsensor systems** ► [uci.edu](#) [PDF]

A Wang, SH Cho, C Sodini, A Chandrakasan - Proceedings of the 2001 international symposium on Low power ... 2001 - portal.acm.org

... system-level optimization of the en- tire network in ... large phase error caused by phase noise and frequency ... It has been shown that the **modulation index** error of ...

Cited by 105 - Related articles - Web Search - All 11 versions

**Spreading noise generated by load supporting elements**

SP Landers - US Patent 4,327,792, 1982 - Google Patents

... shortest pitch length B is the **modulation index**; Determining the ... optimize the spreading of the **noise** generated, the ... 1 is a perspective view of a **tire** having a ...

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**Spreading noise generated by load supporting elements of a tire tread**

SP Landers - US Patent 4,474,223, 1984 - Google Patents

... same amount of quantum energy, the **noise** produced by 25 ... required number of harmonic sequence One tire may sound ... and its B is the **modulation index**; harmonice, ie ...

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**Tire pitch sequencing for reduced tire tread noise**

TA Williams... - US Patent 5,314,551, 1994 - Google Patents

... SP is the shortest pitch length B is the **modulation index**; iv. ... certain pitch sequences which are designed to reduce **noise** produced by **tire** treads by ...

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[PDF] ► **Analysis of the time structure of gear rattle**

M Bodden, R Heinrichs, ID Bodden, FW AG - INTERNOISE, 1999 - product-sound.de

... Besides the major contributors such as engine, wind and tire noises several other sources ... The **modulation index** of an interior vehicle **noise** with gear ...

Cited by 7 - Related articles - View as HTML - Web Search - BL Direct - All 3 versions

**Reduction of harmonic distortion and noise in a semiconductor optical amplifier using bias current ...**

JA Constable, IH White, AN Coles, DG Cunningham - Electronics Letters, 1993 - ieeexplore.ieee.org

... The **modulation index** is varied between 20 and 55%. ... Packard Laboratories Bristol, Filton Road, Stoke Gifford ... References 1 YAMAMOTO, J. 'Noise and error rate ...

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**Wide-span optical frequency comb generator for accurate opticalfrequency difference measurement**

M Kourogi, K Nakagawa, M Ohtsu - IEEE Journal of Quantum Electronics, 1993 - ieeexplore.ieee.org

... Microwave power: P = 10 W, **Modulation index**: m = 0.2 ? rad ... 6, it is expected that the signal- to- noise ratio of ... this process, the span of the en- tire OFC can ...

Cited by 144 - Related articles - Web Search - BL Direct - All 4 versions

**Spectral, phase noise and phase modulation characteristics of AM sideband injection-locked**

...

K Kikuchi, CE Zah - Electronics Letters, 1987 - ieeexplore.ieee.org  
... Stop 54-5 21000 Brook Park Road Cleveland, OH ... the spectral behaviour, phase noise spectrum and phase modulation ... 3 GHz and the amplitude-modulation index was 0.8 ...  
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[High-performance monolithic dual-MSM photodetector for long-wavelength coherent receivers](#)  
GK Chang, WP Hong, JL Gimlett, R Bhat, CK Nguyen, ... - Electronics Letters, 1989 - ieeexplore.ieee.org  
... CK NGUYEN Bellcore 331 Newman Springs Road, Red Bank ... the increased signal power at high modulation index and the ... an APD with a thermal noise dominated receiver. ...  
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[TDMA and CDMA in a fiber-optic environment](#)

VO'Byrne - IEEE 42nd Vehicular Technology Conference, 1992, 1992 - ieeexplore.ieee.org  
... GTE Laboratories Incorporated 40 Sylvan Road Waltham, Ma. ... noise and the RIN. As the modulation index increases the effect of the laser non-linearity comes into ...  
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